

## Core X-Ray Images

A total of 5 Kasten cores from the OMEX region have been collected. The cores were subsampled and imaged using a Faxitron 8050-010 X-radiography set. The following are the details of the cores for which the X-ray images were available.

Cruise	Core	Date	Length	Lat	Lon	Water depth
CD84	OM-1K	23/01/94	337 cm	48°58.60'	13°39.83'	4494 m
CD84	OM-2K	24/01/94	254 cm	49°05.29'	13°25.90'	3658 m

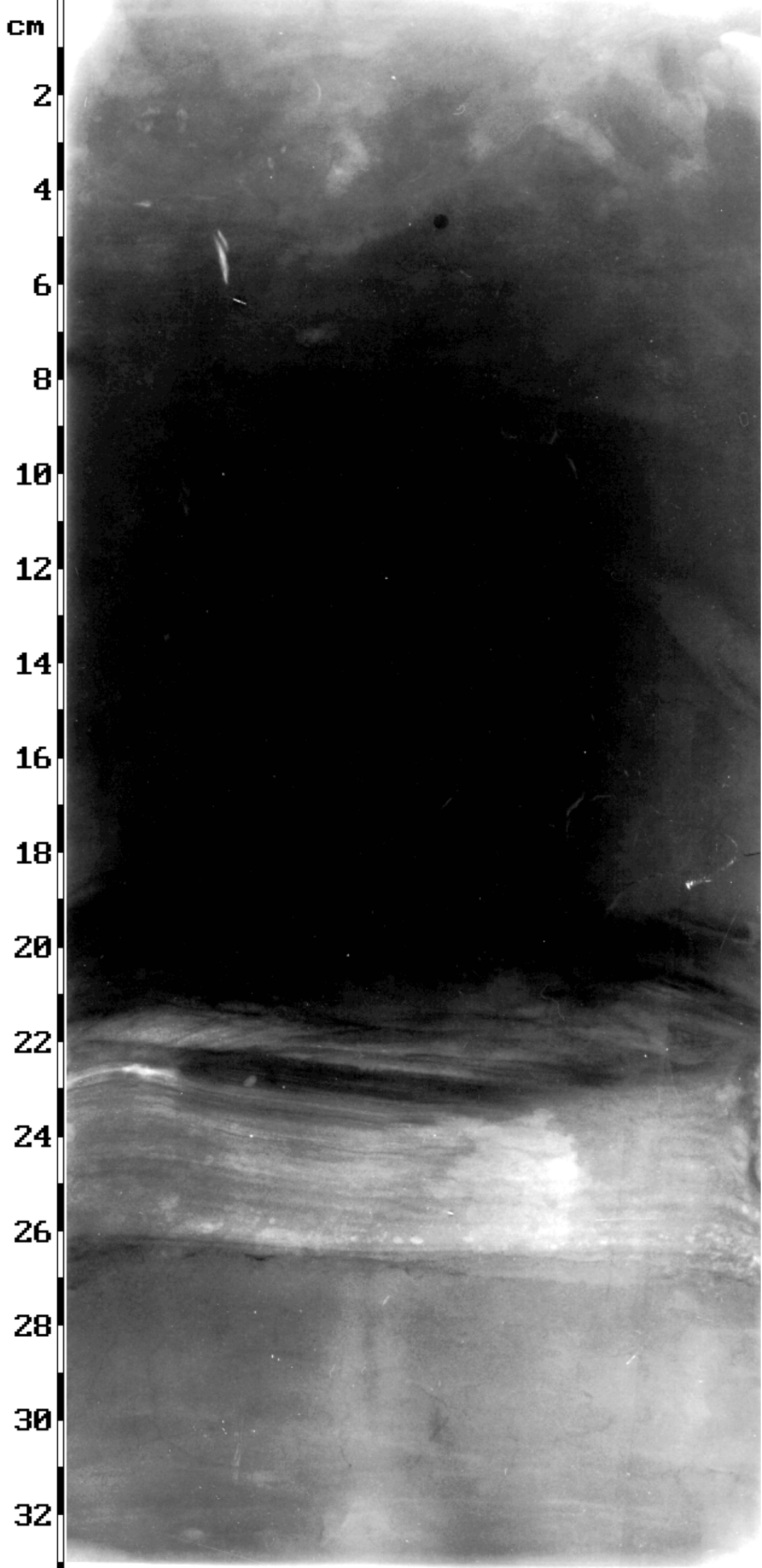
### *Description of cores:*

#### **Core: OM-1K**

0-17cm	-very sloppy foram ooze (10 YR 7/4) grading down to increasingly burrowed and mottled (10 YR 7/4, 8/4 in 6/4) foram ooze
17-23 cm	-burrowed nano ooze (10 YR 6/4-5/4; background 10 YR 7/4-8/4) mottles some large (cm scale) some fine mm chondrites
23-27.5 cm	-laminated foram sand, sharp base gradational tops
27.5-38.5 cm	-pale yellowish brown (10 YR 8/4) nano ooze with some cm scale mottles
38.5-43 cm	-mottled light grey (10 YR 7/2), cm scale burrows and chondrites
43-44 cm	-darker brown layer (10 YR 5/3)
44-45 cm	-brownish yellow layer beneath (10 YR 6/4-6/5)
45-54 cm	-brownish grey (10 YR 6/2) and chondrites only, stiffer layer @ 50.5 cm grades down into....
54-60 cm	-mud on top of turbidites (10 YR 6/1) grey sloppy
60-65 cm	-turbidite foram sand, sharp base, laminated, fairly sharp top
65-70 cm	-light grey mud, slightly mottled with dark grey streaks
70-77.5 cm	-light brownish grey (10 YR 6/2) mud, grading from burrowed top to homogenous above turbidite sands
77.5-84.5 cm	-turbidite sands sharp irregular base (1 cm relief)
84.5-base	-rather homogenous light grey (10 YR 7/2) mud with greenish mottles
~94-140 cm	-some dropstones present
140-218 cm	-smoother
218-223 cm	-slightly paler band
223-230 cm	-dropstones present

**Core: OM-2K**

0-32 cm	-very pale brown foram ooze (10 YR 8/4 to 7/4) with two brownish bands at ~13-15 cm and 27-29 cm
32-44 cm	-grades down to creamy nano-foram ooze flecked with brownish spots and faint larger burrows
44-52 cm	-light grey- hint of greenish (5YR 7/1) spotted mud
52-58 cm	-harder, blocky light olive green mud (5Y 6/2), not stony
58-66 cm	-streaky greenish grey mud
66-83 cm	-similar to unit above but with stones, moderately firm
83-~105 cm	-sloppy mud (high water content) some stones, brownish grey
105-~150 cm	-brownish grey streaked/spotted mud, fewer stones
150-210 cm	-as unit above, but firmer in parts
210-base	-brownish grey streaked mud



cm  
34

36

38

40

42

44

46

48

50

52

54

56

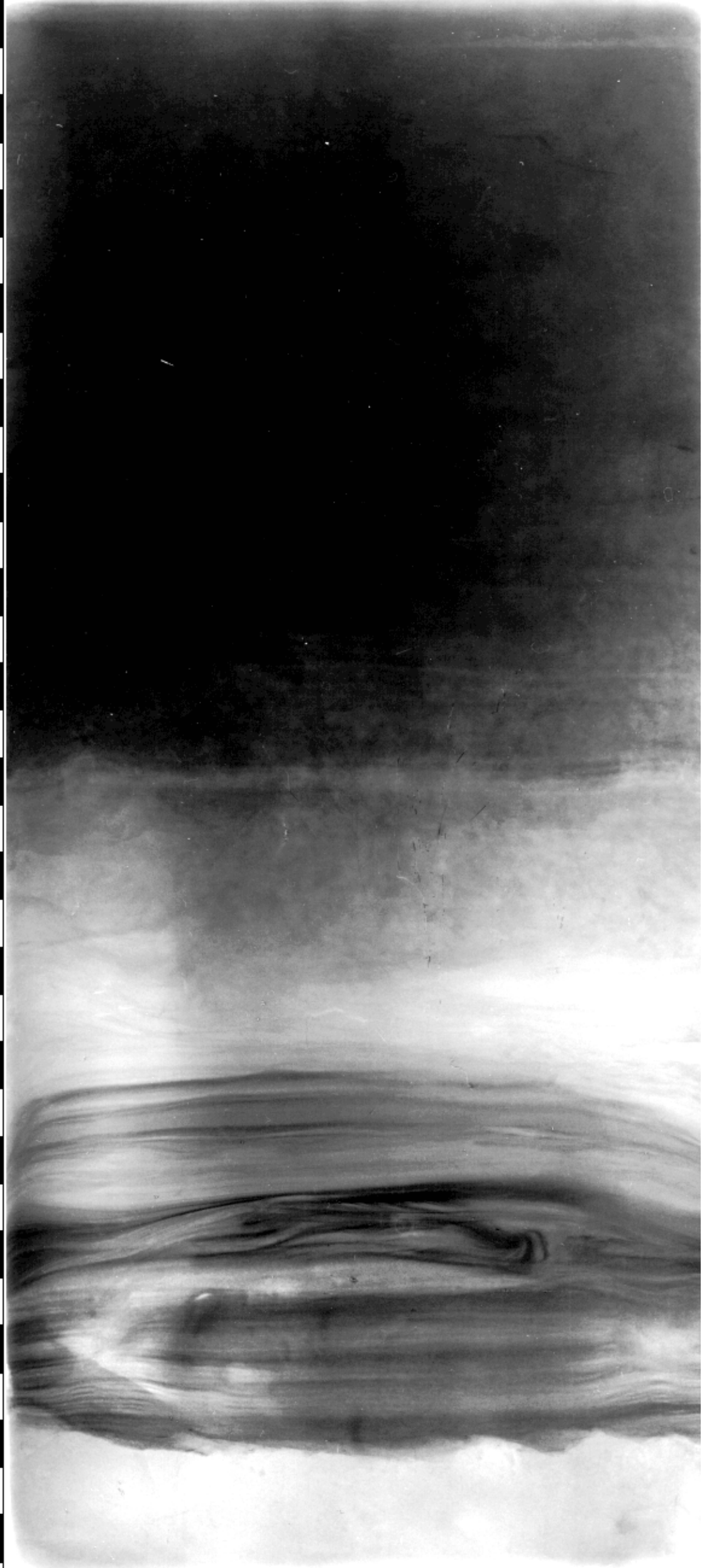
58

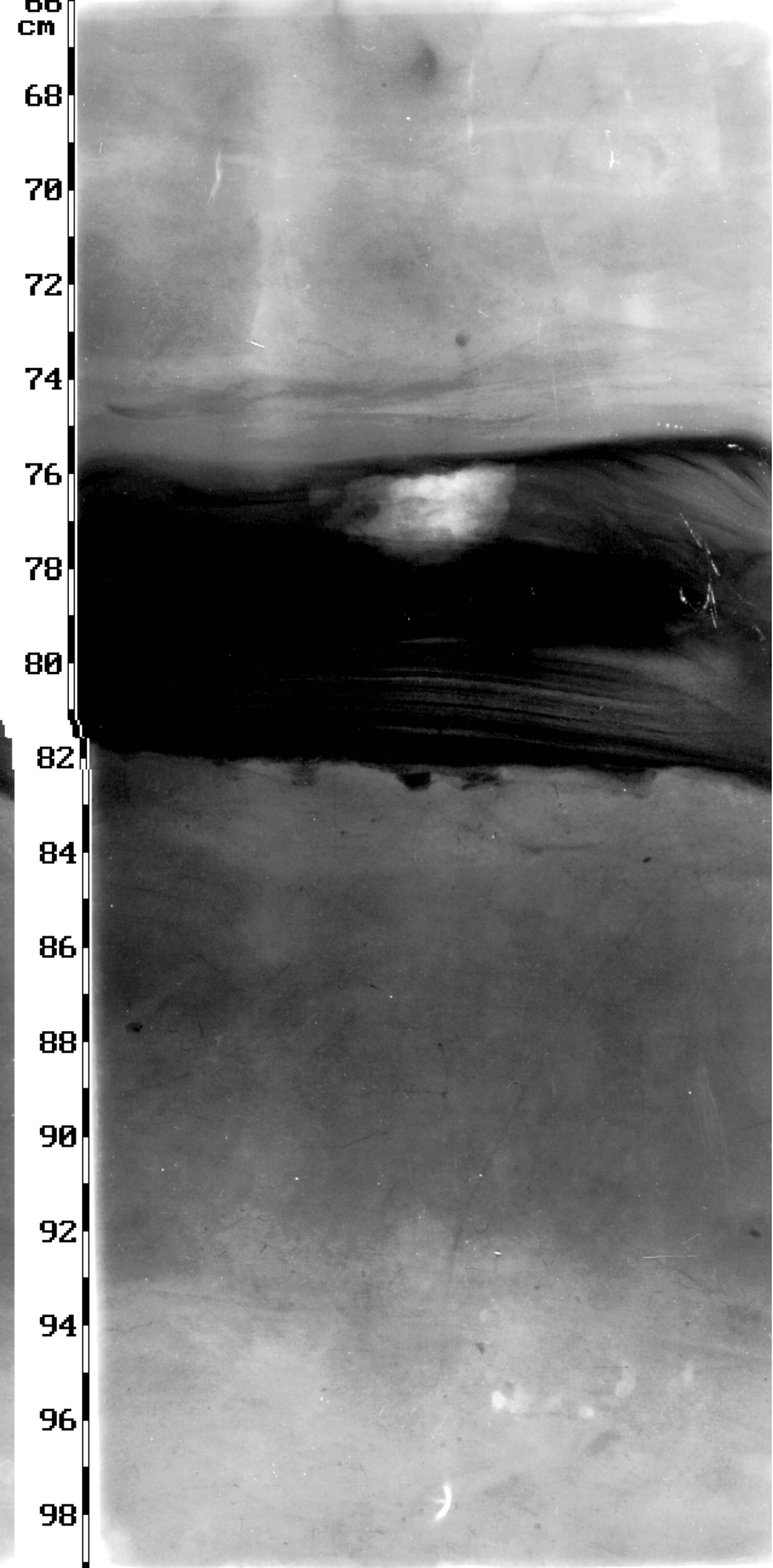
60

62

64

66





100  
CM

102

104

106

108

110

112

114

116

118

120

122

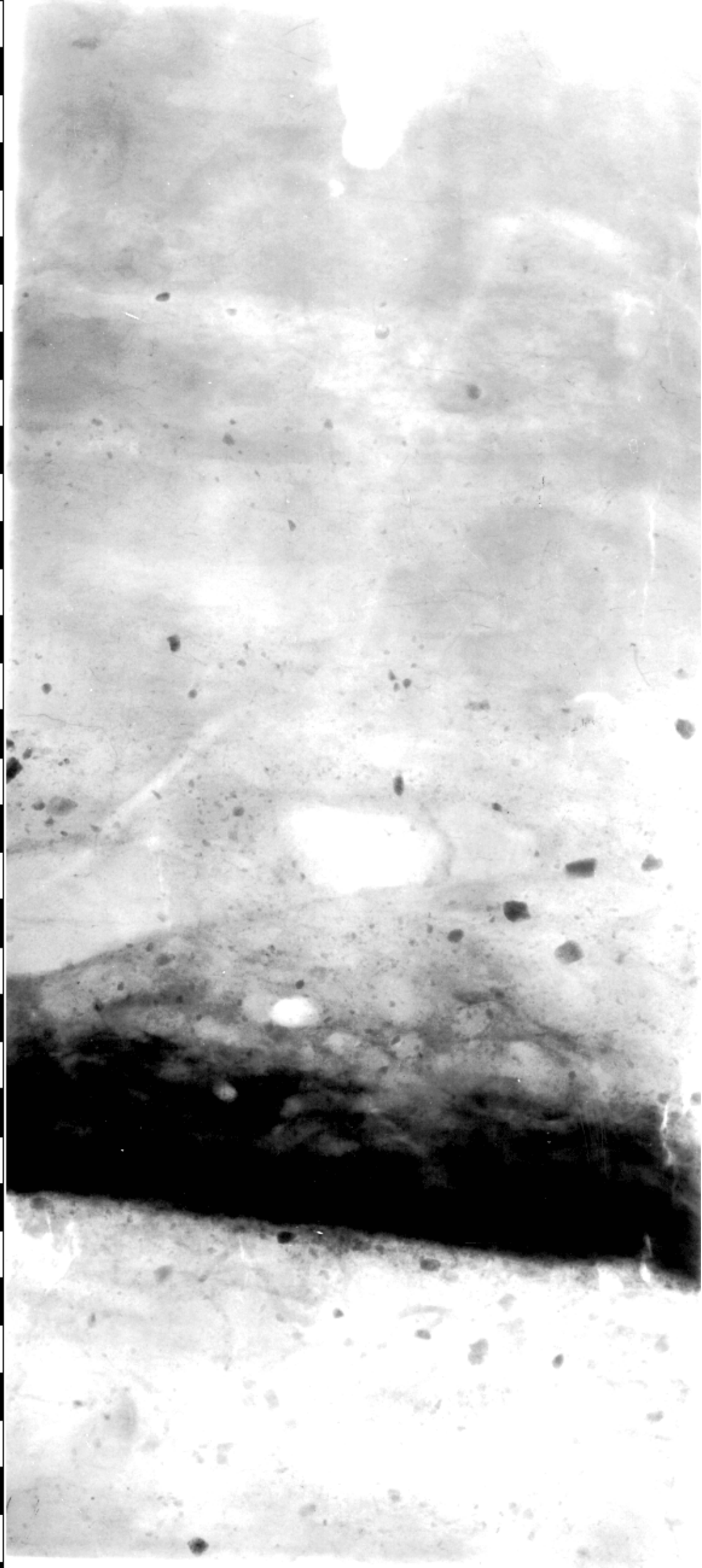
124

126

128

130

132





CM  
134

136

138

140

142

144

146

148

150

152

154

156

158

160

162

164

166

166  
CM

168

170

172

174

176

178

180

182

184

186

188

190

192

194

196

198



200  
cm

202

204

206

208

210

212

214

216

218

220

222

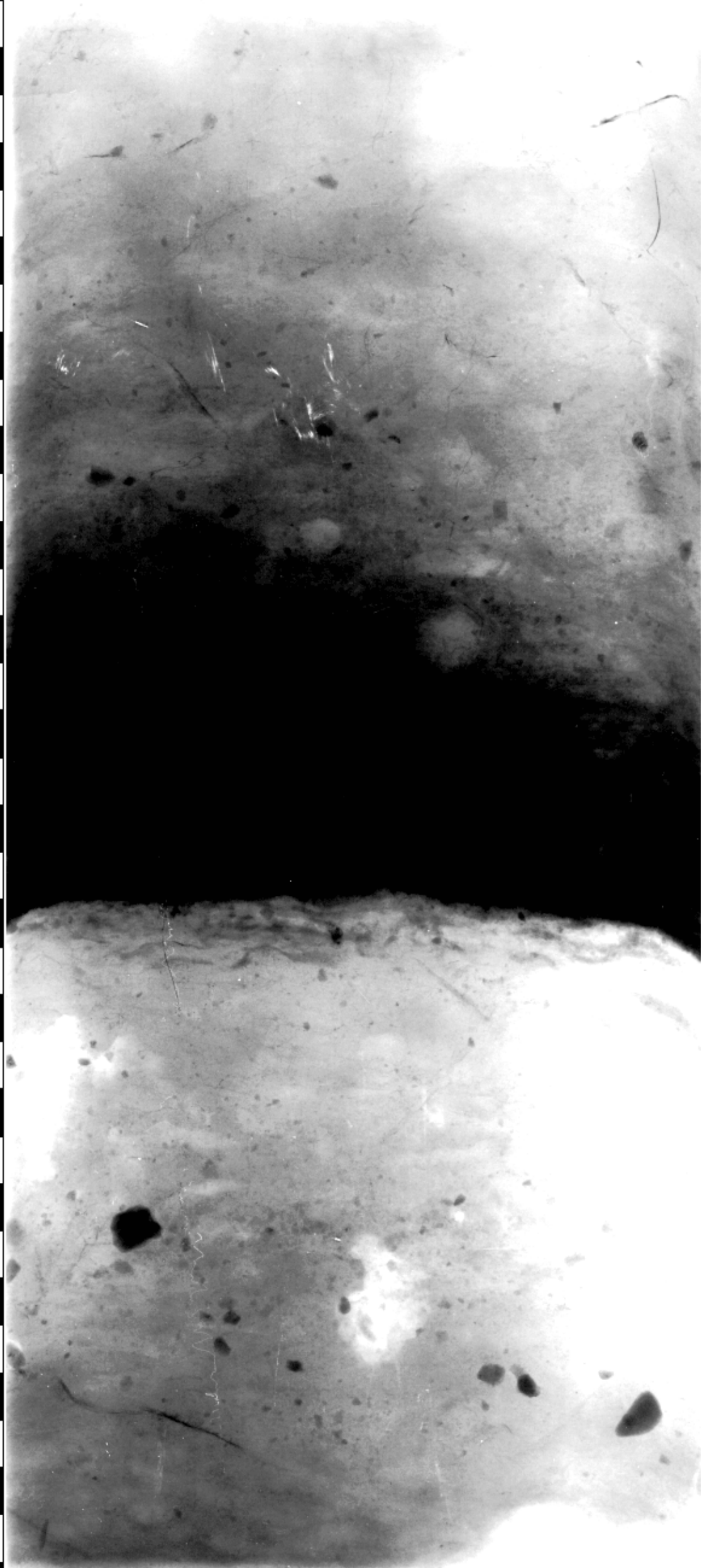
224

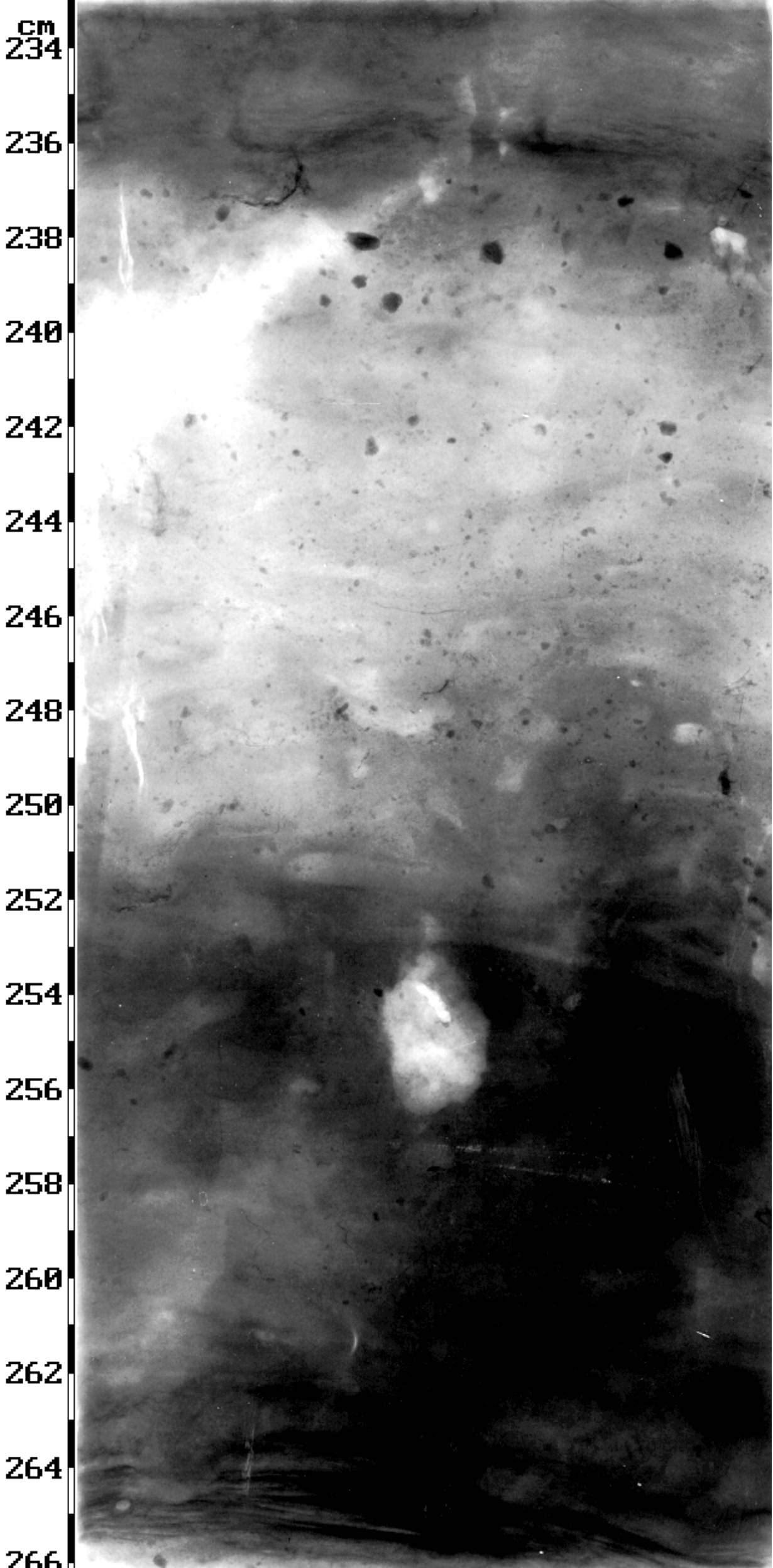
226

228

230

232





CM  
234

236

238

240

242

244

246

248

250

252

254

256

258

260

262

264

266

266  
CM

268

270

272

274

276

278

280

282

284

286

288

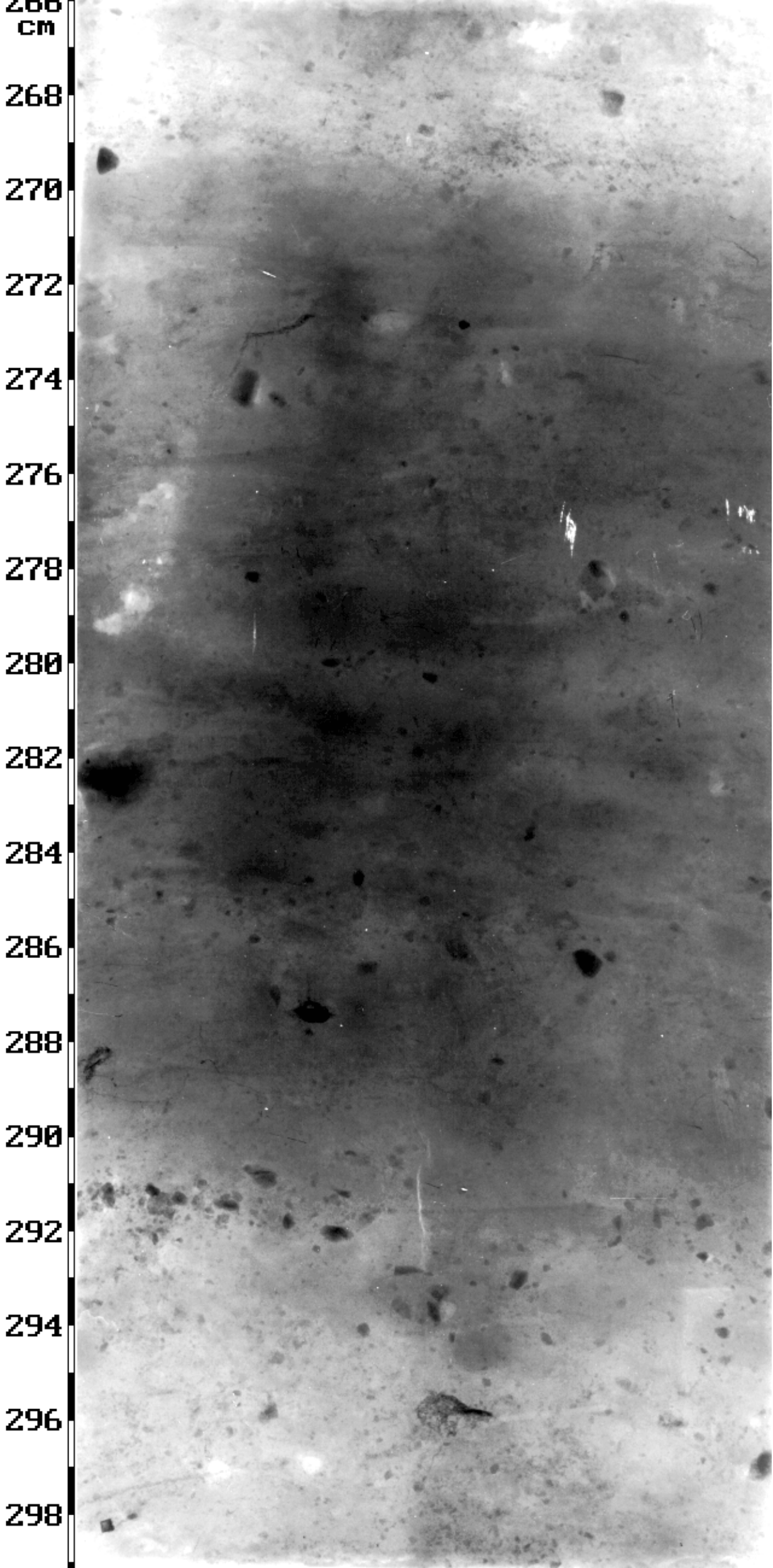
290

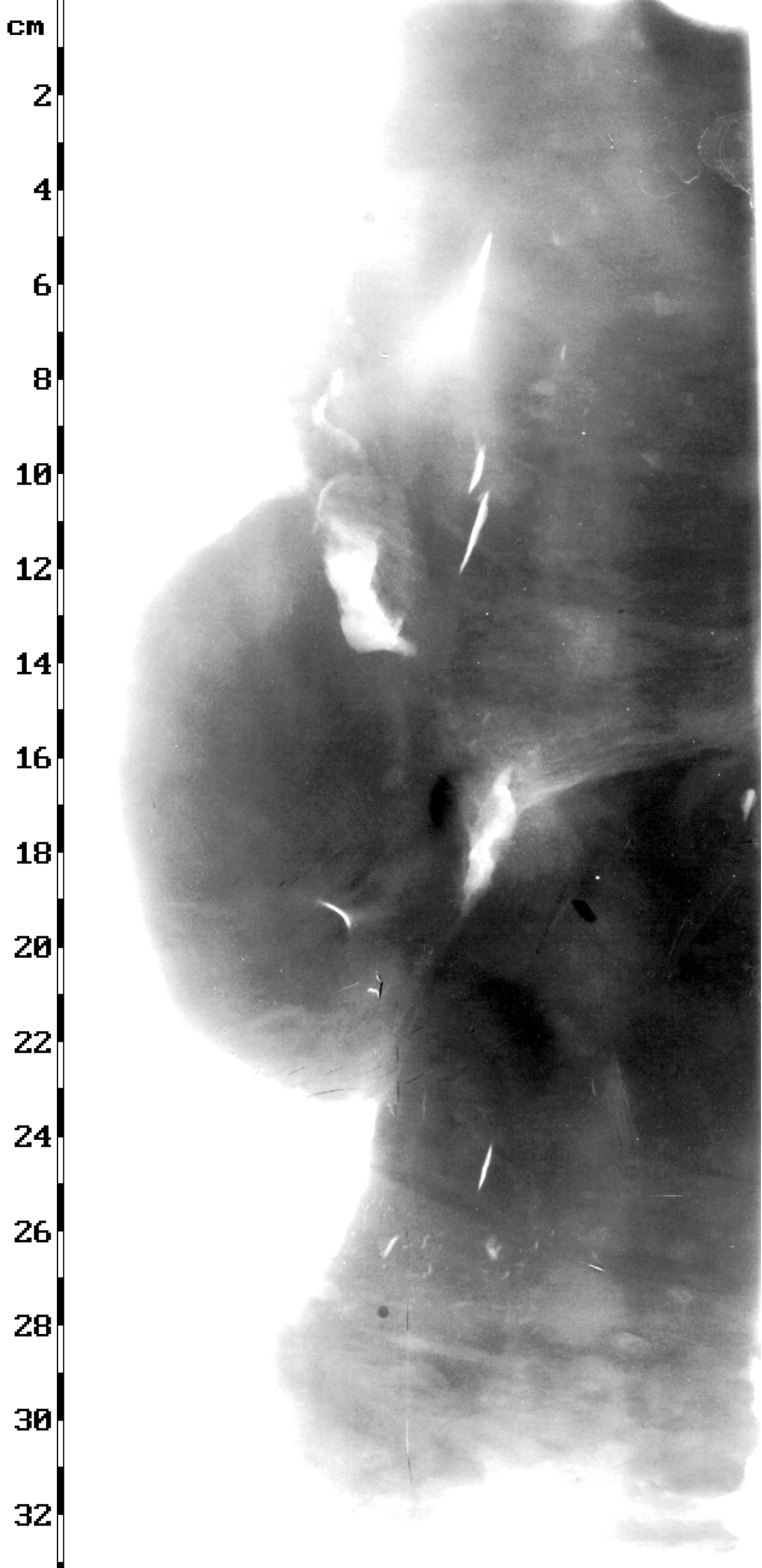
292

294

296

298







cm  
34

36

38

40

42

44

46

48

50

52

54

56

58

60

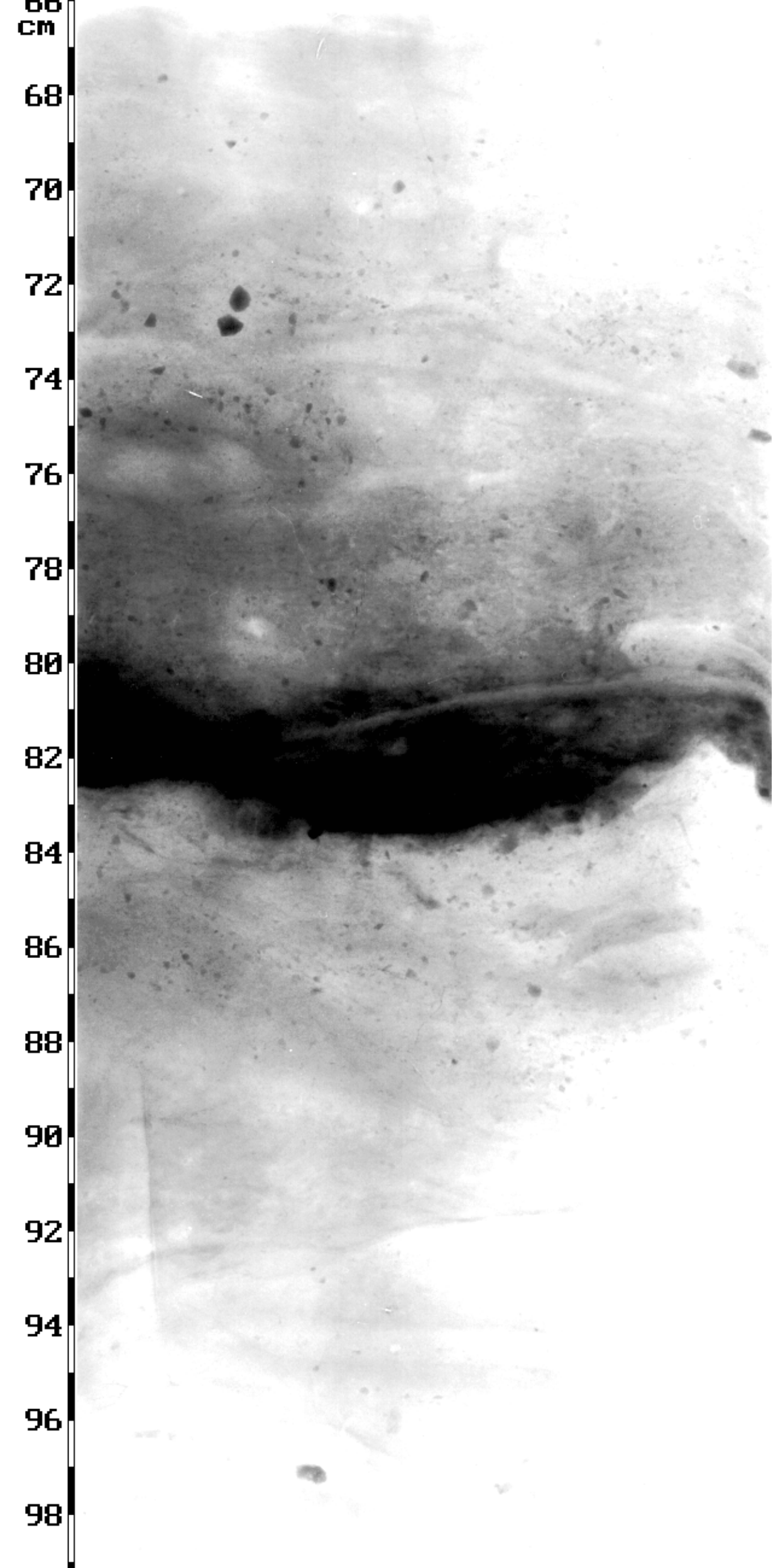
62

64

66







100  
CM

102

104

106

108

110

112

114

116

118

120

122

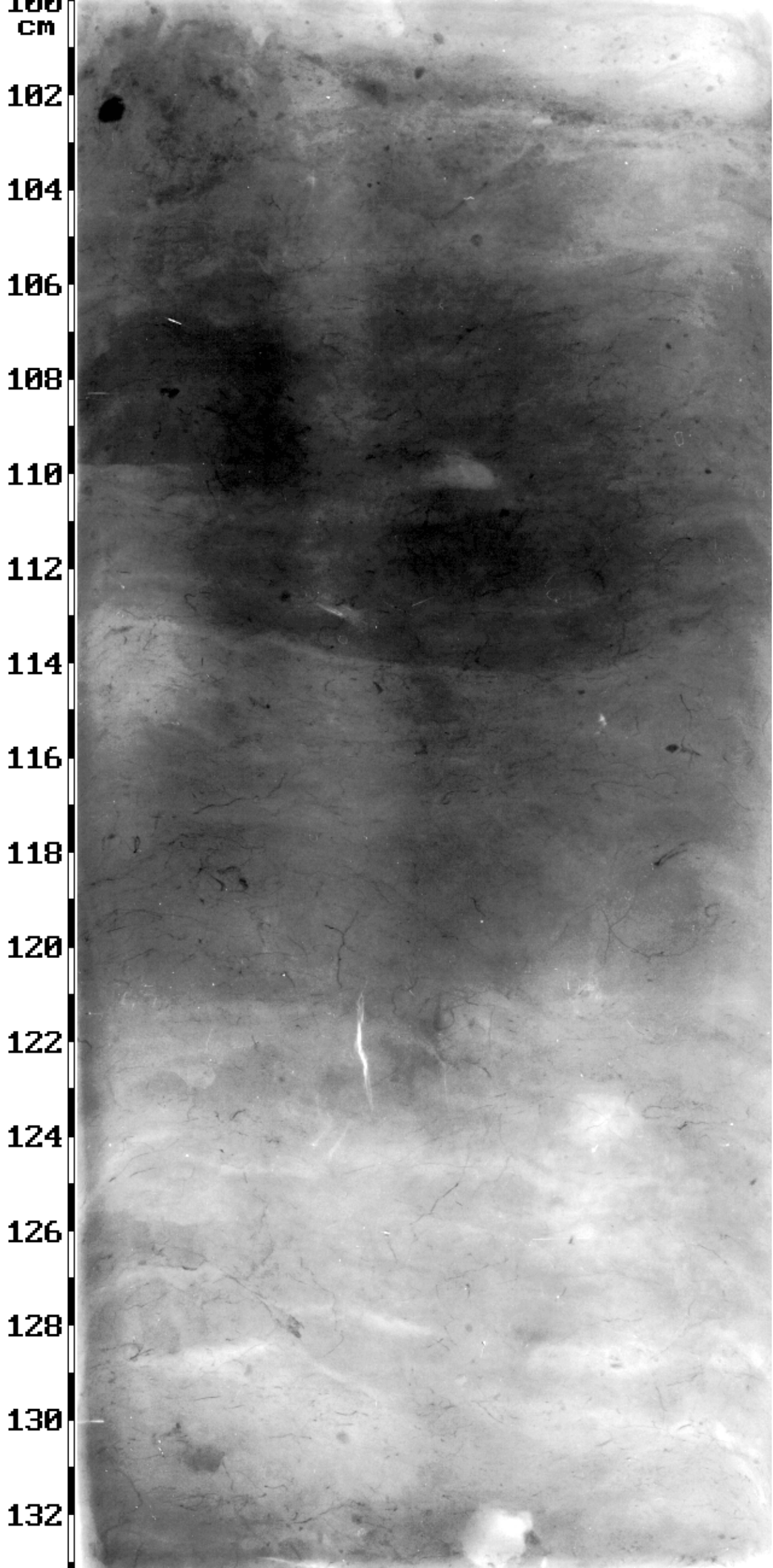
124

126

128

130

132



CM  
134

136

138

140

142

144

146

148

150

152

154

156

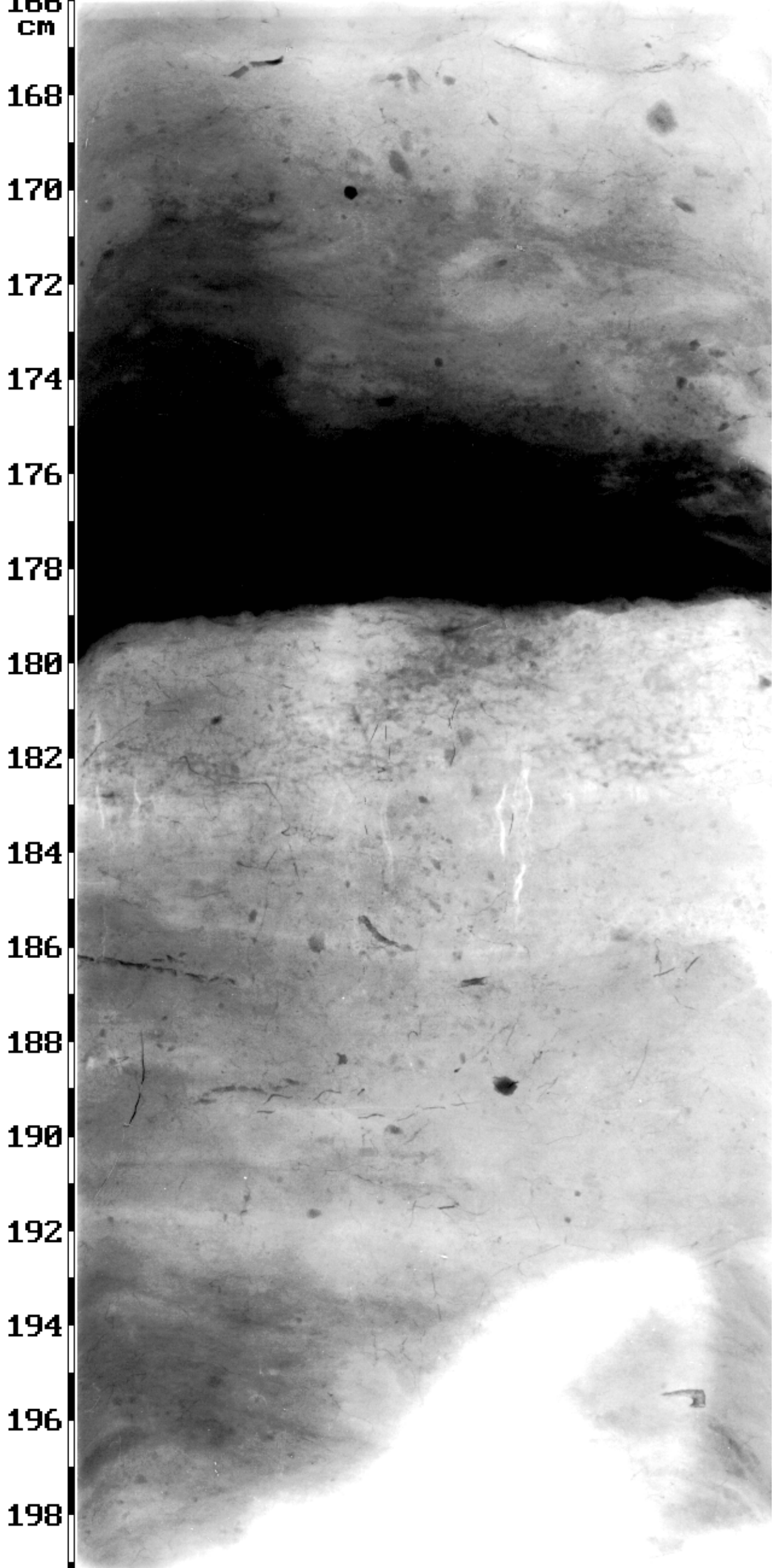
158

160

162

164

166





200  
cm

202

204

206

208

210

212

214

216

218

220

222

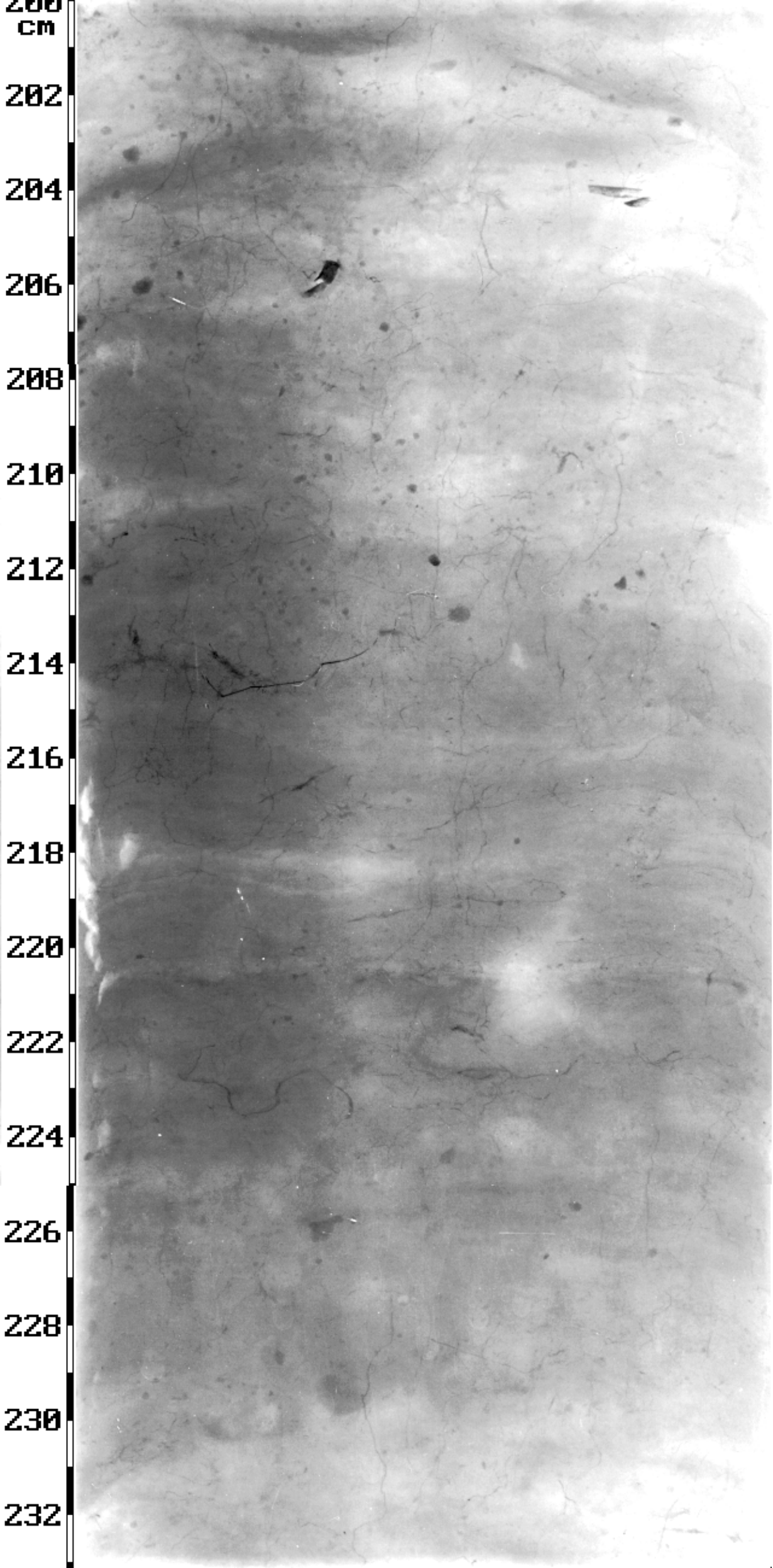
224

226

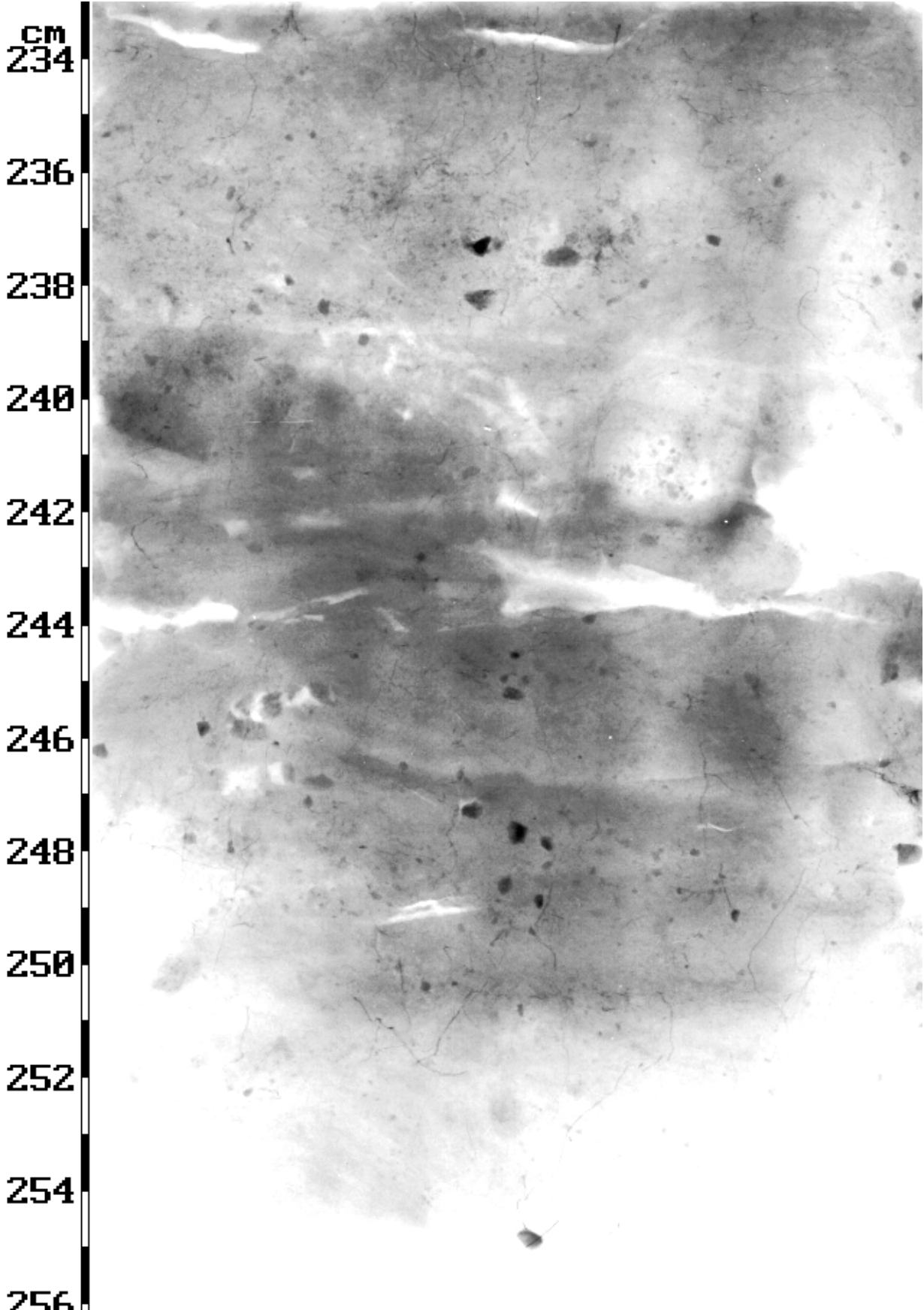
228

230

232







cm  
234

236

238

240

242

244

246

248

250

252

254

256